Metadata Editor
Sabrine Chelbi, Thomas Jejkal

Motivation
• Direct use of structured data is very impractical for scientists.
• Data integration into existing user-interfaces is time-consuming and requires a deep knowledge of various technologies.
• Validation of metadata before sending REST requests represents a fundamental quality.

Aims
• Provide a Graphical User Interface (GUI) for a service.
• Intuitive and generic generation of forms based on provided JSON Schemas.
• Validation of JSON metadata.
• Execution of CRUD (Create, Read, Update, Delete) operations.

Method
• JavaScript library allowing the generation of web forms as well as the management of JSON metadata in an intuitive and generic way.
• Validate JSON metadata based on a developer-provided JSON schemas.
• Perform CRUD operations and additional operations in case further requirements need to be fulfilled.

RDA Connection
• Adoption of the Collection Registry as a use case to test various functionalities of the editor.
• Collection Registry is an implementation of the Collection API recommended by the RDA Research Data Collections Working Group and has been developed at the Data Exploitation Methods department.
• Provide a GUI for the service to make the service easier-to-use and more intuitive for the scientists.
• Provide the JSON metadata through the generated web forms.
• Validation of the JSON metadata against a defined JSON schema enabling the user to provide correct inputs.

Contact:
sabrine.chelbi@kit.edu
thomas.jejkal@kit.edu

Metadata Editor: https://github.com/kit-data-manager/metadata-editor.git
Collection API: https://github.com/kit-data-manager/collection-api.git